Muhammad Amas

Software engineer with **2+** years of experience building performant, user-focused web applications and scalable cloud-integrated systems. I specialize in modern JavaScript frameworks like **React.js** and tools like **Redux, Ant Design** and **Tailwind CSS.**

WORK EXPERIENCE

Software Engineer
Oct 2023 – Present
Cloudnosys (B2B Cloud Security SaaS Platform)   Karachi, Pakistan (Hybrid)

- Optimized front-end, achieving a **50%** improvement in performance.
- Designed and implemented cloud infrastructure visualization graphs using libraries such as **React Flow and Cytoscape.js.**
- Visualized **attack paths, blast radius and security misconfigurations** within the organizational infrastructure to enhance security posture and risk assessment.
- Applied Ant Design dark theme using 'less' styles for the platform.
- Upgraded over **50 microservices** to **Node.js v20 from Node.js v12.**

Software Engineer Intern
Jun 2023 – Oct 2023
Cloudnosys (B2B Cloud Security SaaS Platform)   Karachi, Pakistan (Hybrid)

- Resolved **20+** bugs in a month, demonstrating strong problem-solving skills.
- Enhanced "Cloudxray" logging with Winston & Morgan logger.

Web Intern
Feb 2023 – May 2023
VentureDive (Software Development Company)   Karachi, Pakistan (Hybrid)

- Developed responsive web applications using **React.js, Node.js and MySQL.**
- Mastered Git and structured files effectively for scalable projects.
- Drafted technical documentation for the custom library in the Company Management System.

MERN Stack Intern
Jul 2022 – Aug 2022
Tezeract (Innovative AI Solution Provider)   Karachi, Pakistan

- Worked with the MERN department on web applications based on React.js.
- Converted designs to websites using **HTML, CSS, JavaScript, React.js and Firebase technologies.**

PERSONAL PROJECTS

InsightEdu

- Developed and maintained an **EdTech platform** integrating **AI-powered** attentiveness monitoring, online classrooms and advanced learning analytics.
- Improved learning experiences by enabling **real-time student engagement tracking and personalized insights for educators.**

Queuing Model Click Here

- Built a web-based **queuing model simulation tool** using **React.js** and **Material-UI**, allowing users to visualize and analyze queue behaviours.

CONTACT

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EDUCATION

Bachelor of Science in Computer Science
University of Karachi
2021 - 2024

CERTIFICATIONS

Google Cloud Digital Leader
Click Here
Google Cloud Platform

Back End Development and APIs Click Here
FreeCodeCamp

McKinsey Forward Advanced Level Click Here
McKinsey

TECHNICAL SKILLS

Frameworks and Libraries:
React.js • Node.js • Express.js
Redux • Chakra UI • Material UI
Ant Design • Tailwind CSS
React Flow

Tech Languages:
JavaScript • TypeScript
Python • SQL

Databases:
MongoDB • Firestore
Microsoft SQL Server
PostgreSQL

Additional Tools:
Google Cloud Platform
Amazon Web Services
Redis • Firebase • Jira